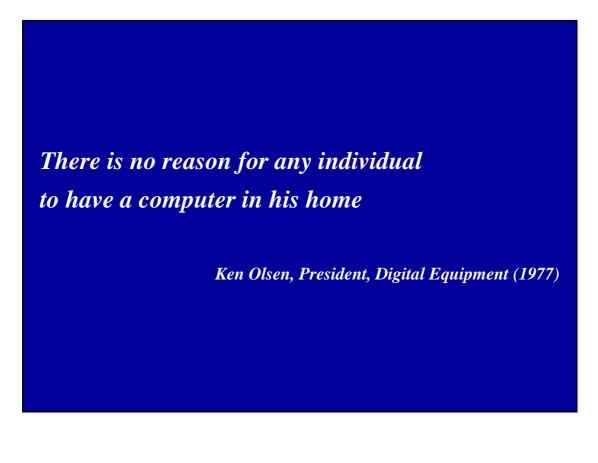
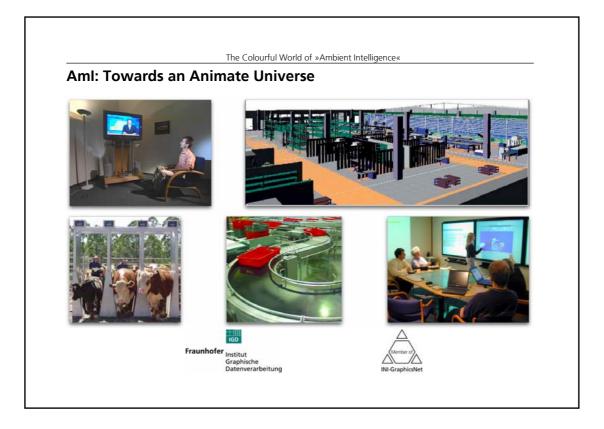
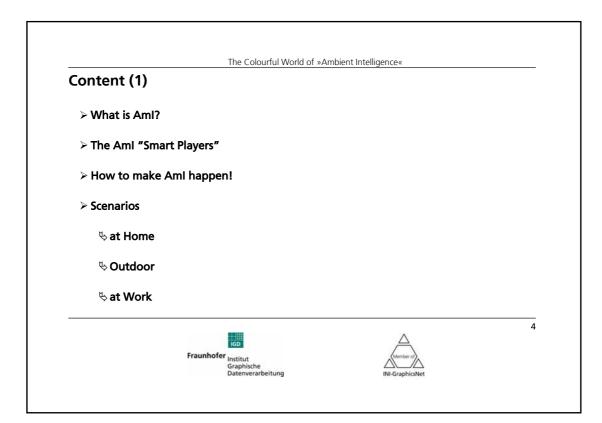
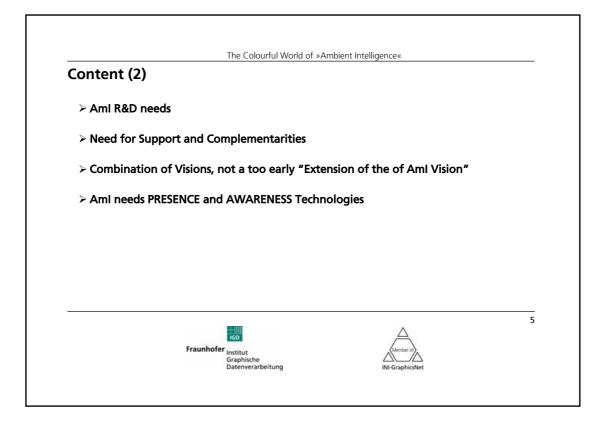
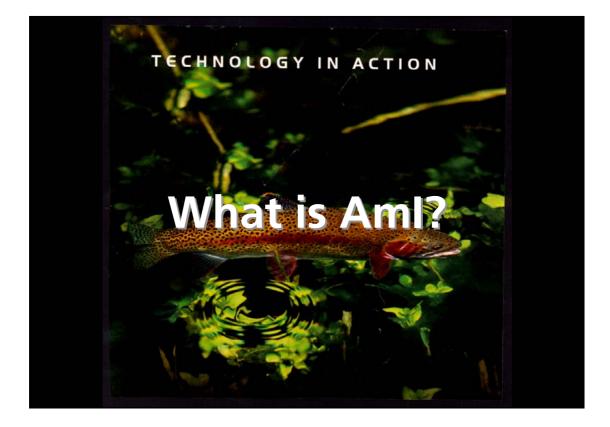
Prof. DrIng. J. L. Encarnação
Fraunhofer-Institute for Computer Graphics Fraunhoferstrasse 5 64283 Darmstadt Germany
Tel.: +49 (6151) 155 – 130 Fax.: +49 (6151) 155 – 430 Email: jle@igd.fraunhofer.de http://www.inigraphics.net
Munich, 24 th November 2004

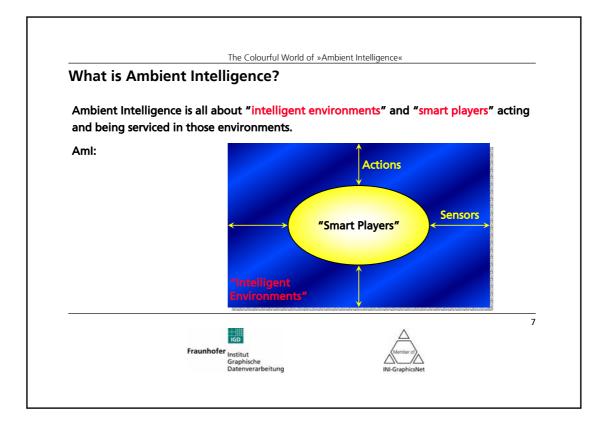




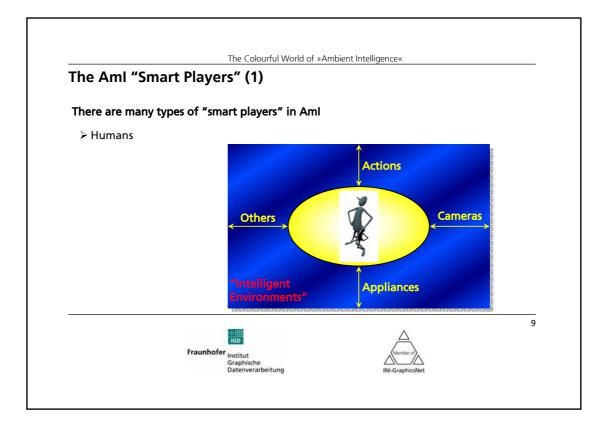




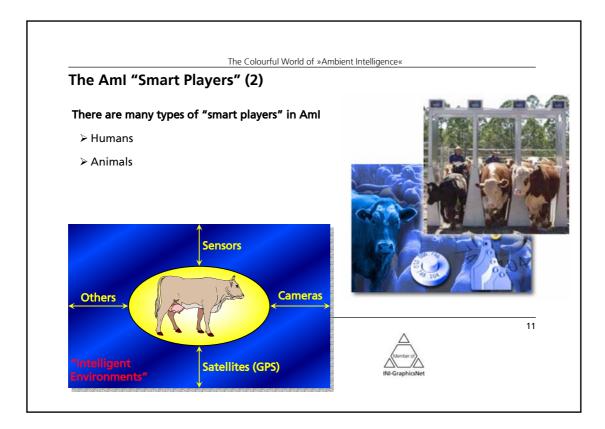


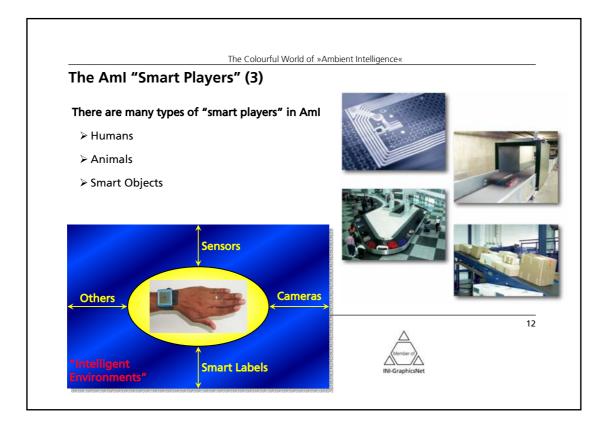


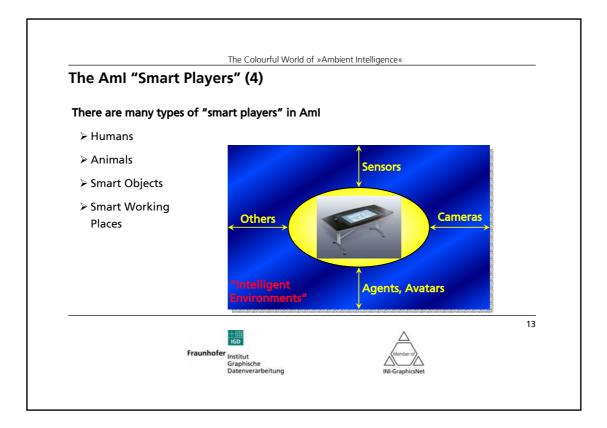


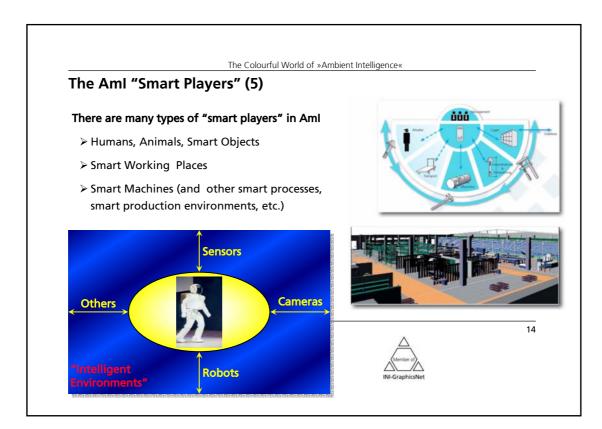


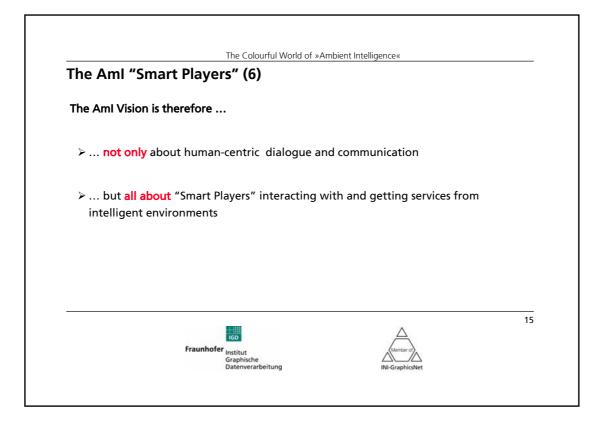






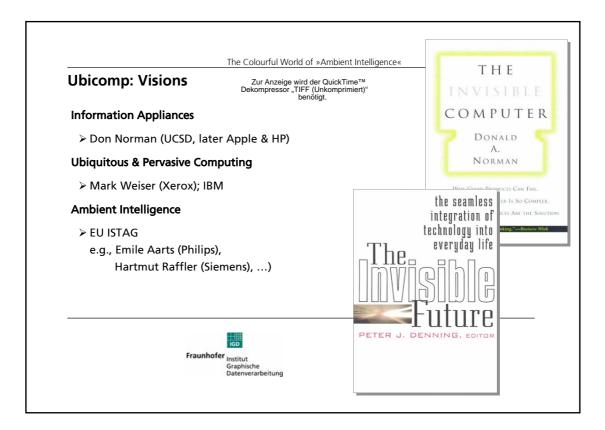


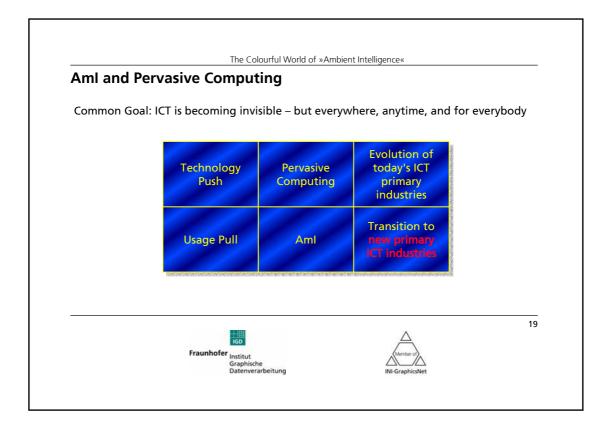




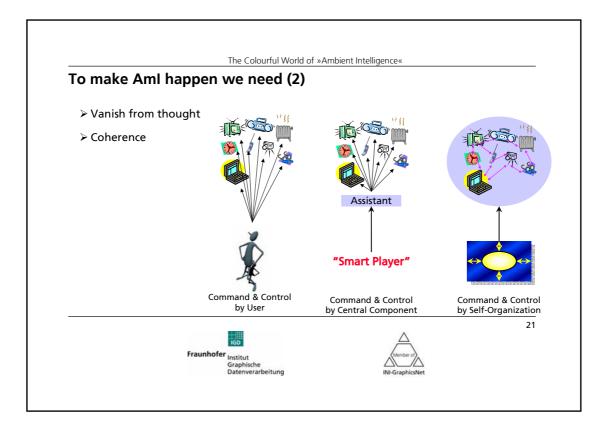




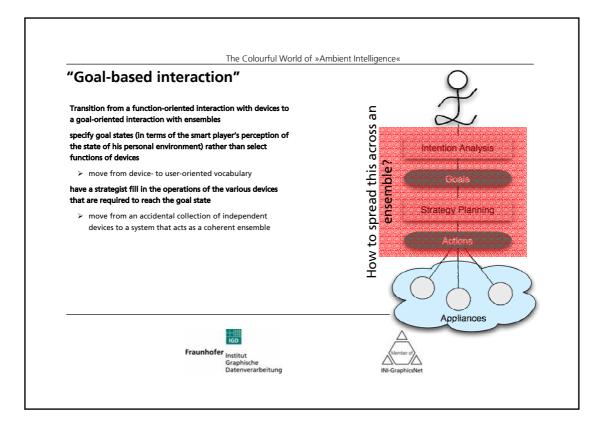


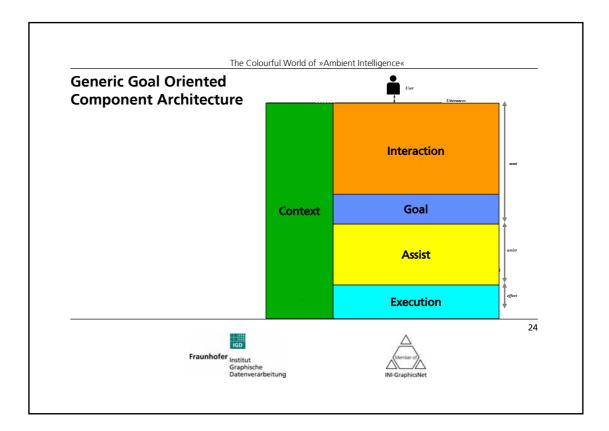


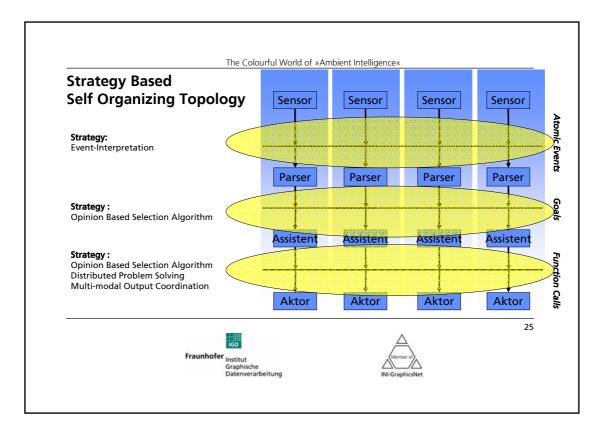
	The Colourful World of »Ambient Intelligence«
To make AmI happer	n we need (1)
\succ Vanish from thought	& Do the "obvious" - be context aware
	 don't demand input from the user if her intentions can be infered from the context.
	& Network yourself - be self-organizing
	 Don't expect the user to orchestrate multiple invisible! devices to cooperate in order to fulfil her needs
	$ riangle$ Speak the language of the user - $ extbf{be}$ multimodal
	 allow the user to interact in a natural way (voice, gesture)
	♥ Act Coherent!
Fraunh	20 ofer Institut Graphische Datenverarbeitung

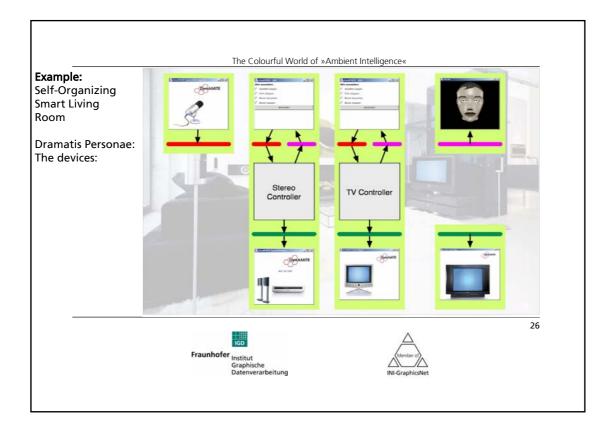


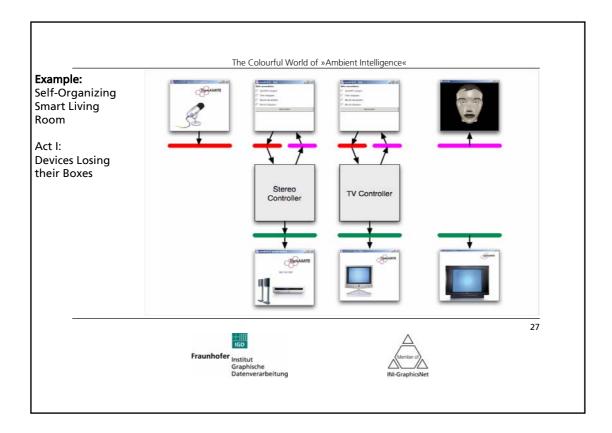


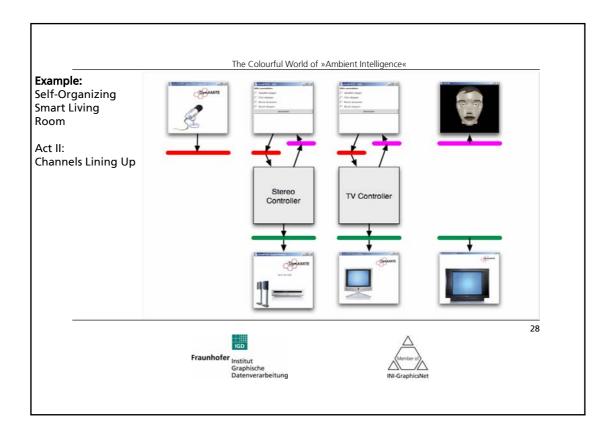


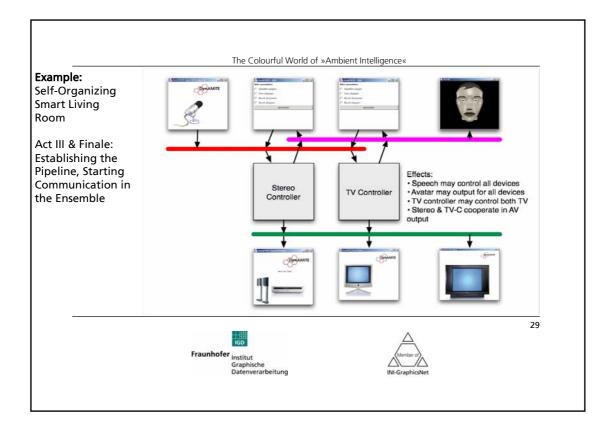


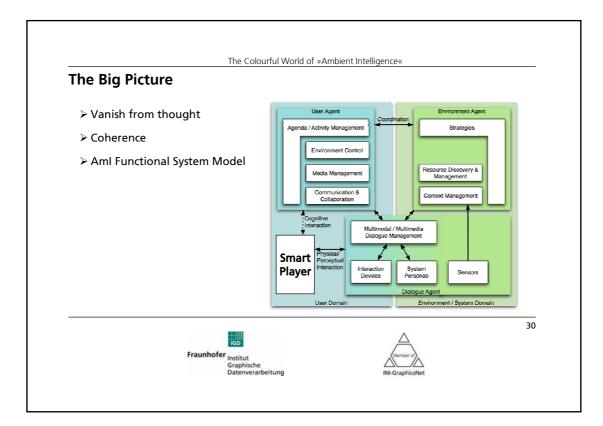




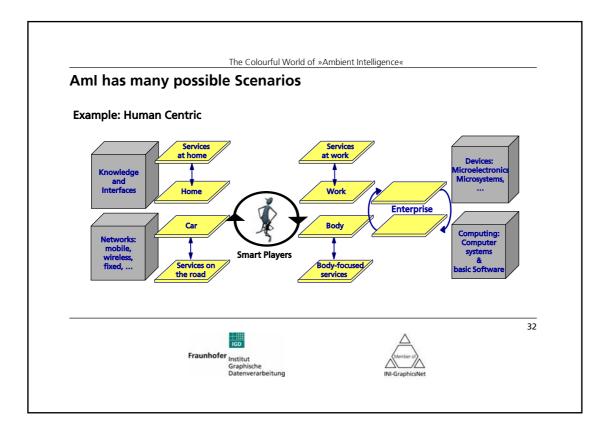






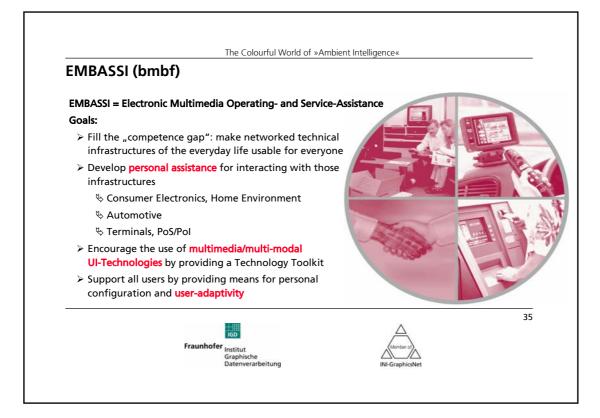


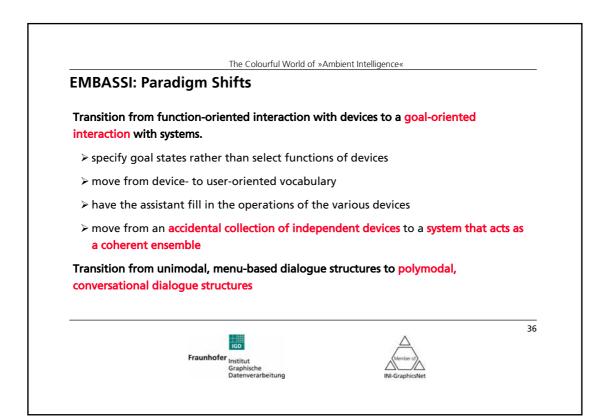


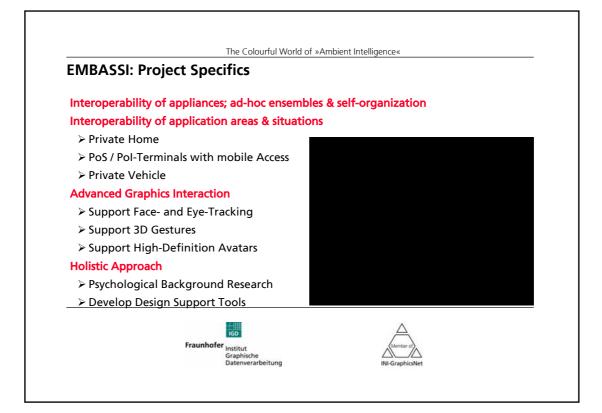


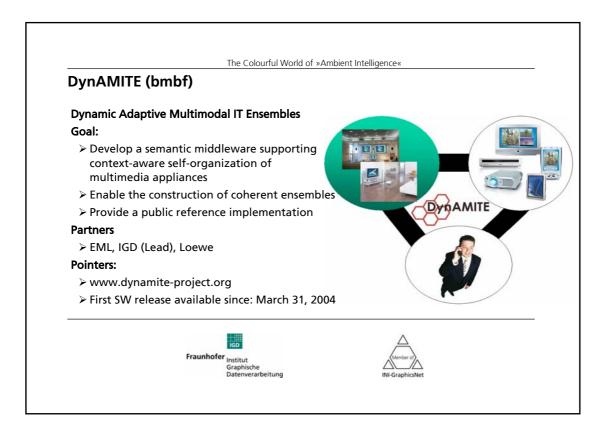






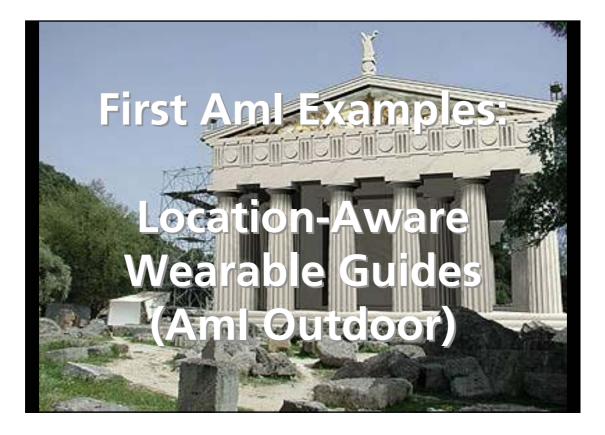


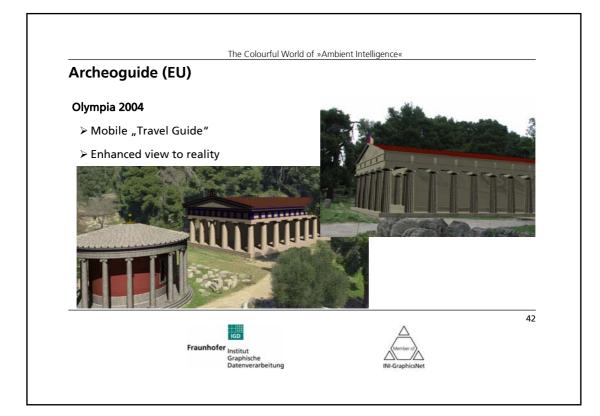


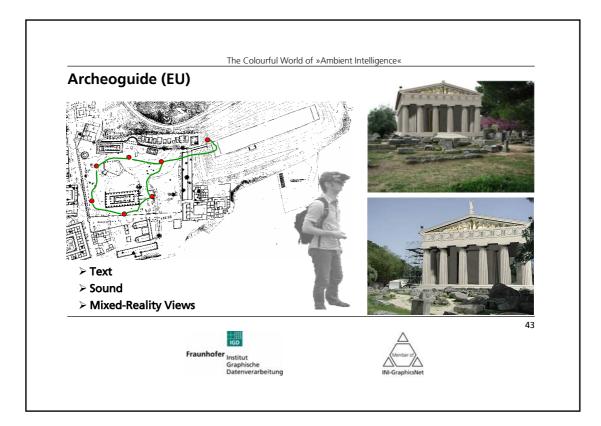


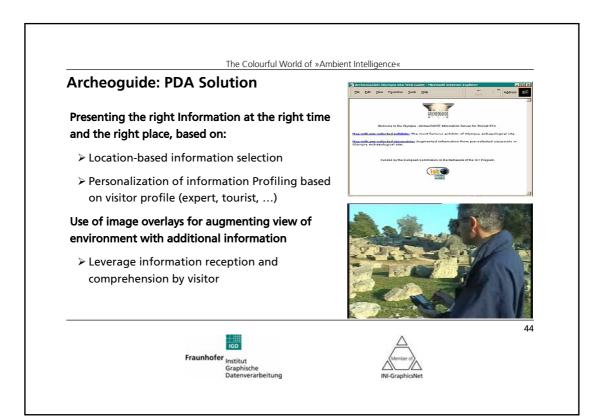


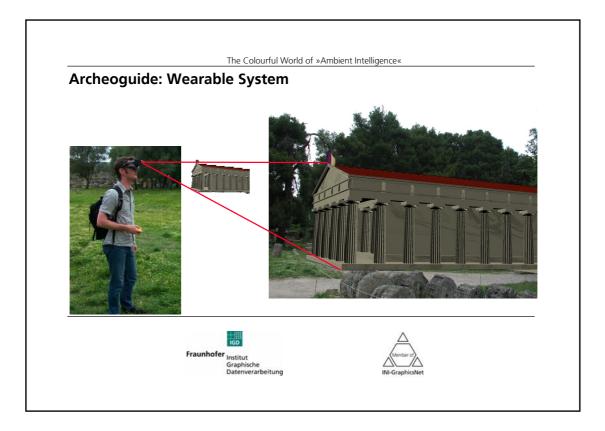








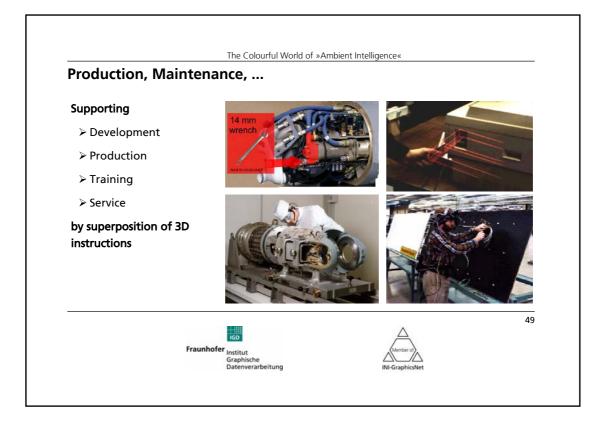


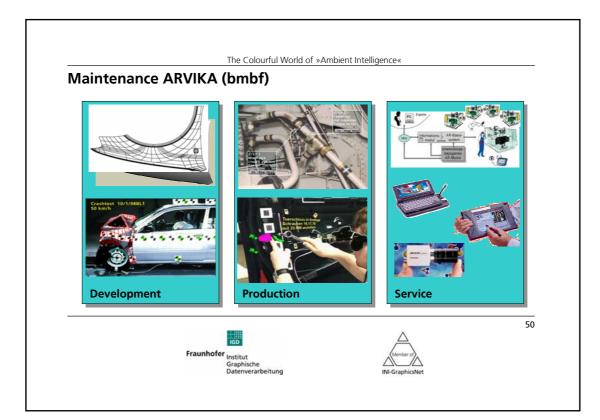




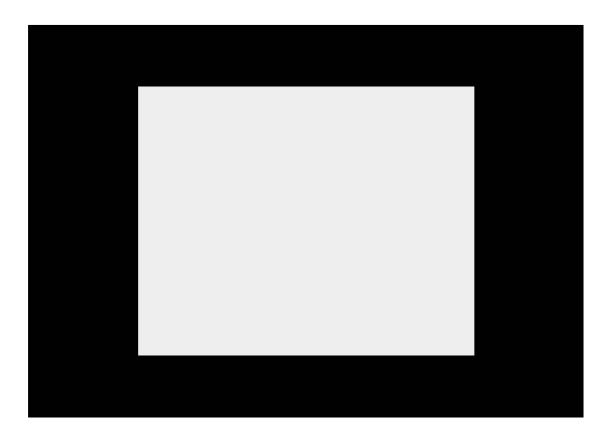




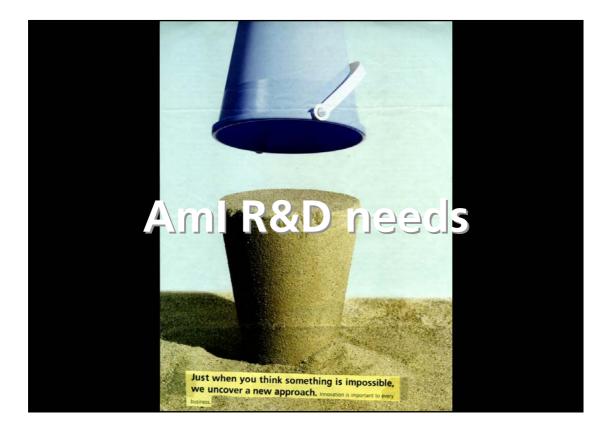


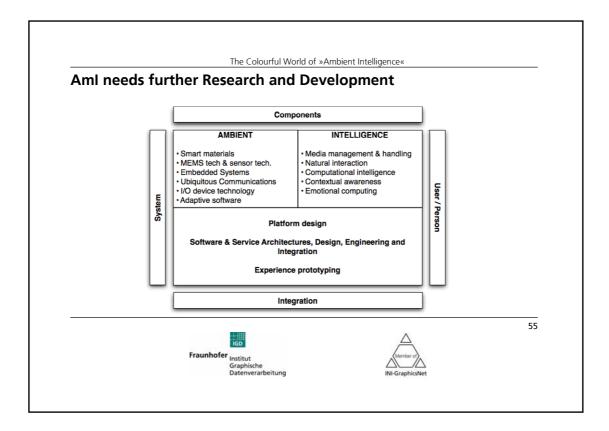


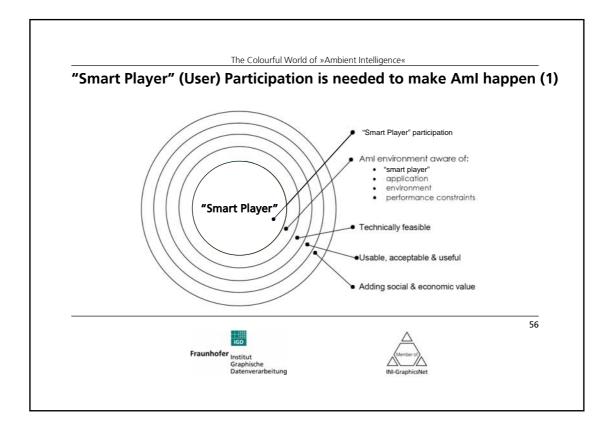




	rget		
EU "Disappeari	ng Computer" Initiative, e.g.		
≻ Ambient Ag	oras (Fraunhofer IPSI et al.)		
≻ SmartIts (La	ncaster University, et al.)		
IBM Personal In	formation Appliances, BlueSpace		
CMU "Aura", "	Pebbles"		
TeCO "Media C	up", etc.		
of course Philip	s Aml research & HomeLab and Si	emens "Pictures of the Future	e"
	pre.		
and many m			5

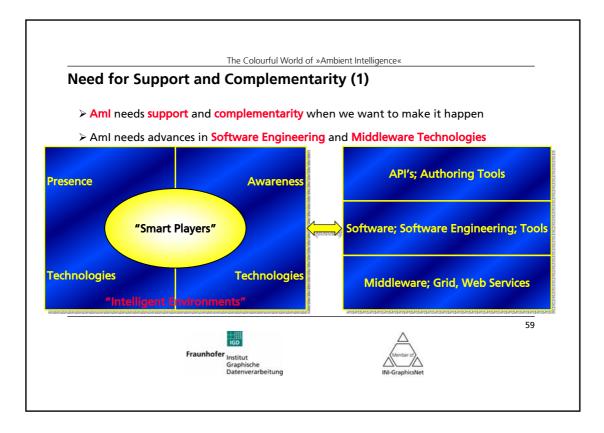






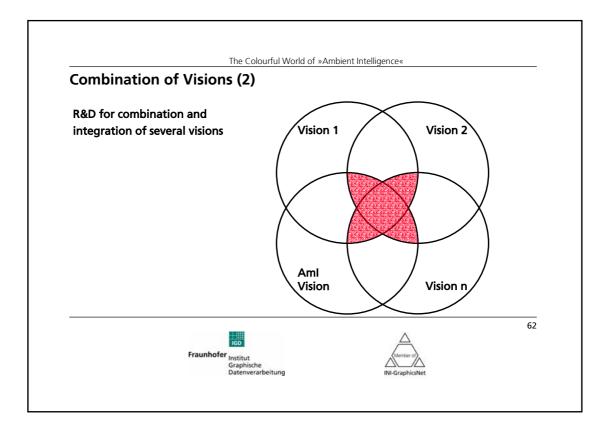
"Smart Player" (User) Participation is needed to make AmI happen		n (2	
Make use of E	ARC's (http://www.cordis.lu/ist/istag	reports.htm) to	
≻ acquire da	<mark>a for redesign</mark> in early stage of imp	lementation	
≻ develop <mark>us</mark>	age experience		
≻ guarantee	"usability" and "utility"		
≻ guarantee	"added-value"		
➤ involve all	players of the supply chain		
> develop bu	siness models and business cases		
≻			
	IGD Fraunhofer Institut	5	57
	Graphische Datenverarbeitung	INI-GraphicsNet	

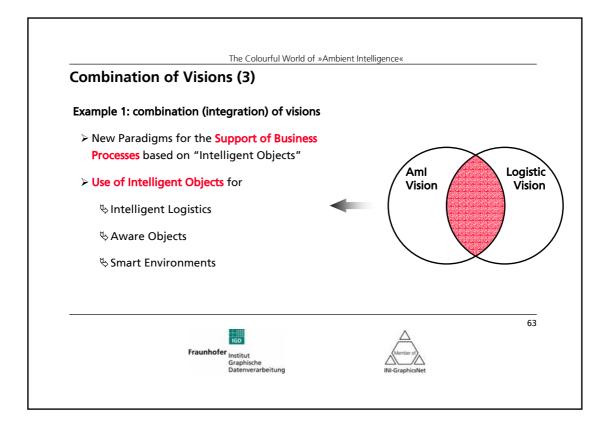


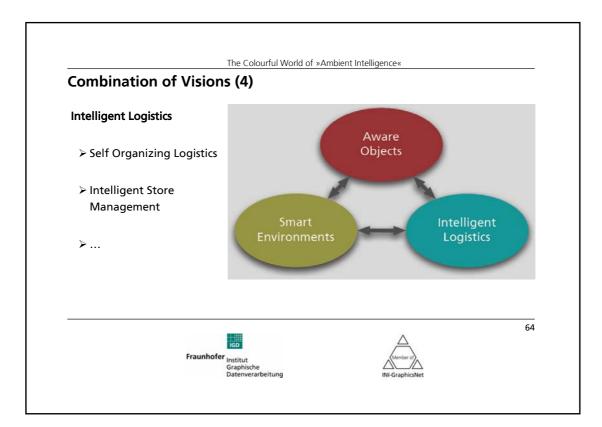


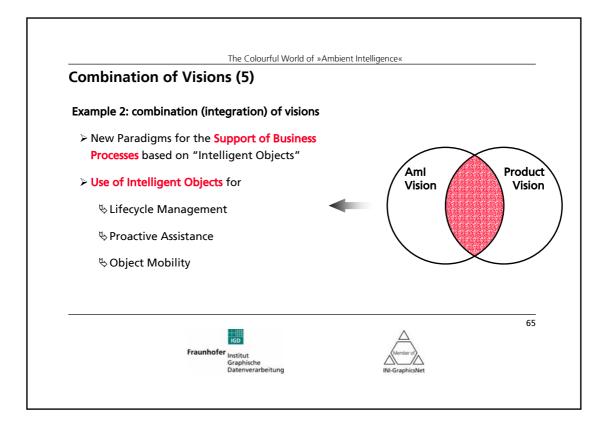


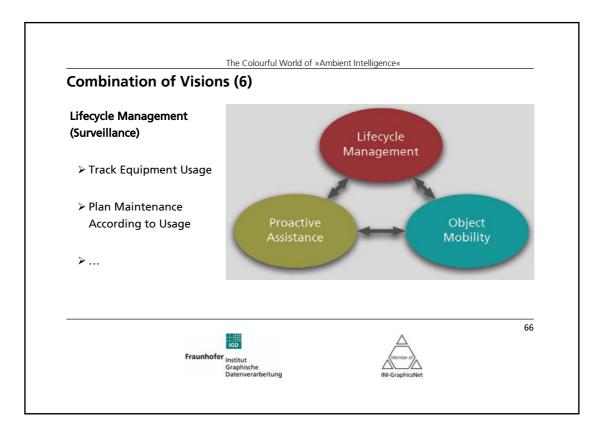
Combinati	on of Visions (1)		
> Guarante	es the Added-Value		
≻ Goal			
৬ Applic	cation and domain specific combin	ation (integration) of several,	different visio
& Comb	ination (integration) of visions, no	t extension of one vision to er	nbrace several
	lot of R&D to be done for this con at the interfaces and for its optim		eral visions,
			eral visions,







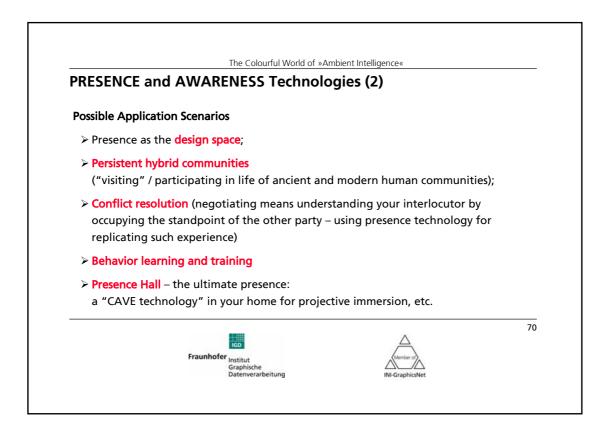


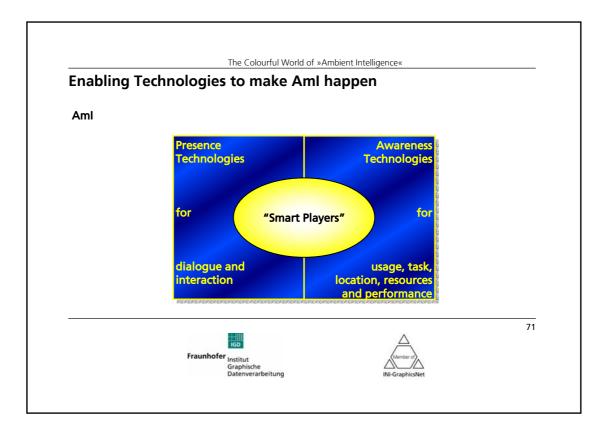


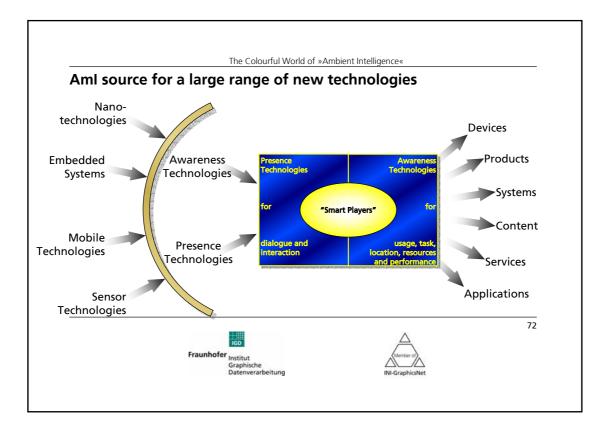


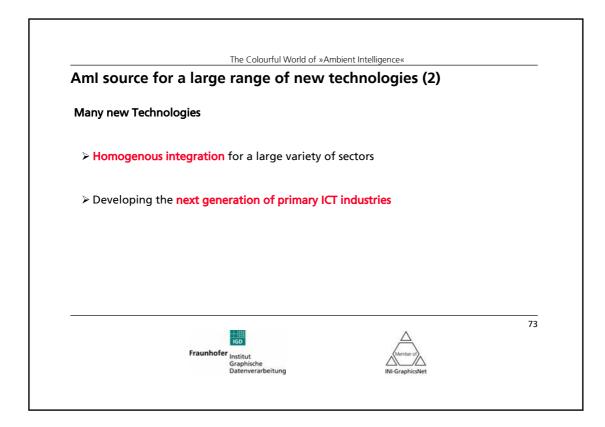


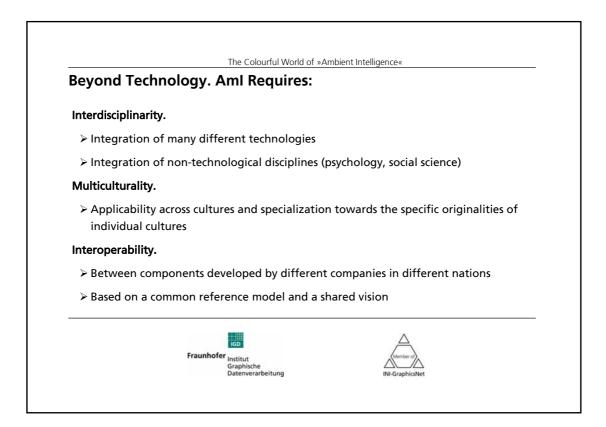
PRESENCE a	nd AWARENESS Technolo	gies (1)	
Related Resear	ch Topics		
> Infrastructu	res for generating PRESENCE and	or interaction	
	SENCE and its interfaces to the en n; social presence; presence tuner)	ironment	
> Presence pe	rception & measurements (neuro-	ssues)	
5	es for capturing specific human att ptic memory, etc.	ributes such as emotions,	
> Rendering	of the 5 senses		
≻ API – Progr	amming PRESENCE; Digital Storyte	ling	
Social comr	nunication; avatar and visual agen	s	
	Fraunhofer Institut Graphische Datenverarbeitung	Member of	69

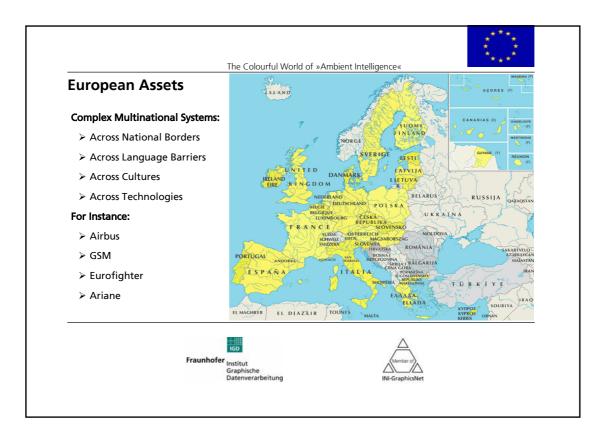


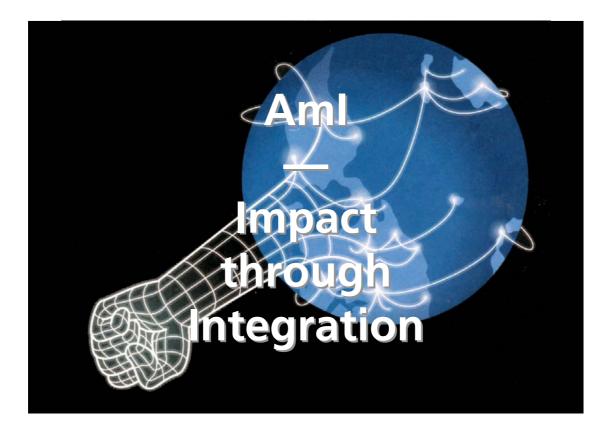












Acknowledgem	nents & Further Information
Projects	
Archeoguide	www.archeoguide.com
ARVIKA	www.arvika.de
DynAMITE	www.dynamite-project.de
EMBASSI	www.embassi.de
InHaus	www.inhaus-duisburg.de
Initiatives & Groups	
ISTAG	www.cordis.lu/ist/istag.htm
Disappearing Computer	www.disappearing-computer.org
Funding	
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